



Cisco

400-101 Exam

Cisco CCIE Routing and Switching Written Exam

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Version: 63.0

Question: 1

Refer to the exhibit.

```
%CFIB-7-CFIB_EXCEPTION: FIB TCAM exception, Some entries will be software switched
```

If a Layer 3 switch running OSPF in a VRF- lite configuration reports this error, which action can you take to correct the problem?

- A. Set mls cef maximum-routes in the global configuration
- B. Add the vrf-lite capability to the OSPF configuration.
- C. Upgrade the Layer 3 switch to a model that can support more routes.
- D. Configure the control plane with a larger memory allocation to support the Cisco Express Forwarding Information Base.

Answer: A

Question: 2

Which two statements about 802.10 tunneling are true? (Choose two.)

- A. It requires a system MTU of at least 1504 bytes.
- B. The default configuration sends Cisco Discovery Protocol, STP: and VTP information.
- C. Traffic that traverses the tunnel is encrypted.
- D. It is supported on private VLAN ports.
- E. MAC-based QoS and UDLD are supported on tunnel ports.
- F. Its maximum allowable system MTU is 1546 bytes.

Answer: A, E

Question: 3

Refer to the exhibit.

```
R1(config-router)#bgp bestpath ?  
  compare-routerid  Compare router-id for identical EBGp paths  
  cost-community    cost community  
  med               MED attribute
```

When entering a question mark after bgp bestpath only three options are visible. Which two options are valid BGP hidden options for the bgp bestpath command? (Choose two.)

- A. bgp bestpath as-path multipath relax
- B. bgp bestpath as-path ignore
- C. bgp bestpath compare-all
- D. bgp bestpalh localpref Ignore

Answer: A, B

Question: 4

Which protocol allows connections made by an NBMA network to dynamically learn connected address?

- A. PPP
- B. NHRP
- C. HDLC
- D. POP

Answer: B

Question: 5

Refer to the exhibit.

```
R1
aaa authentication login default group radius group tacacs+ local
```

If R1 contacts the RADIUS server but It unable to find the user name in the server database, how will R1 respond?

- A. It will prompt the user to enter a new username.
- B. It will attempt to contact the TACACS+ server.
- C. It will deny the user access.
- D. It will attempt to authenticate the user against the local database.

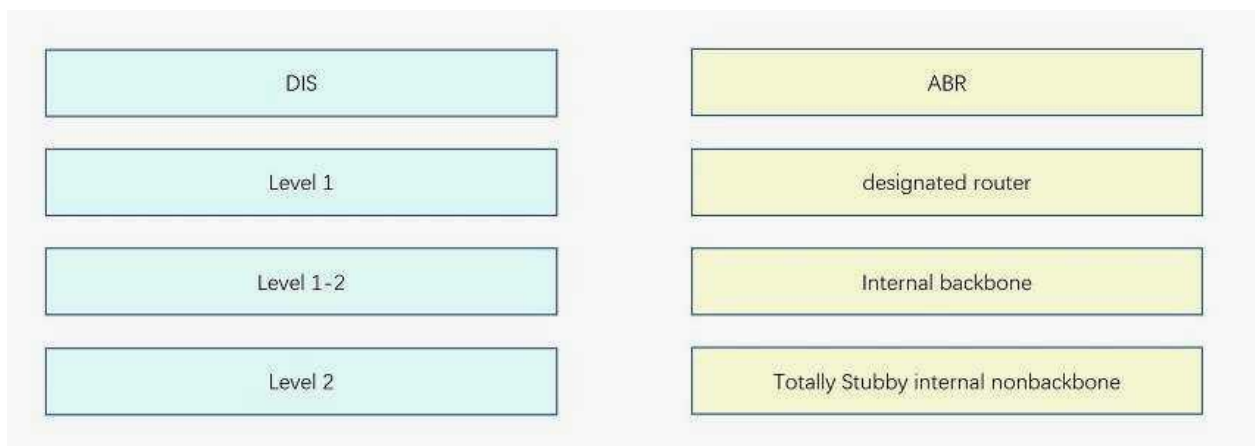
Answer: C

Question: 6

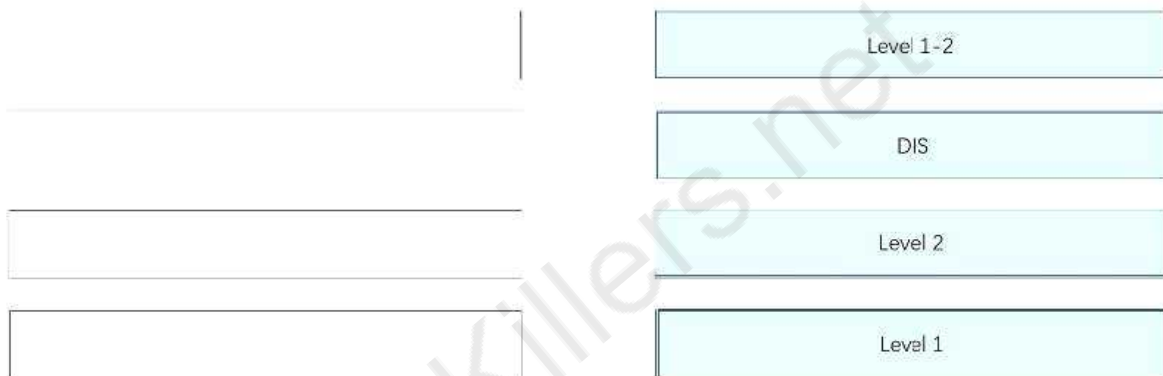
DRAG DROP

Drag and drop each IS-IS router type from the left onto the best matching OSPF router type on the right.

Select and Place:

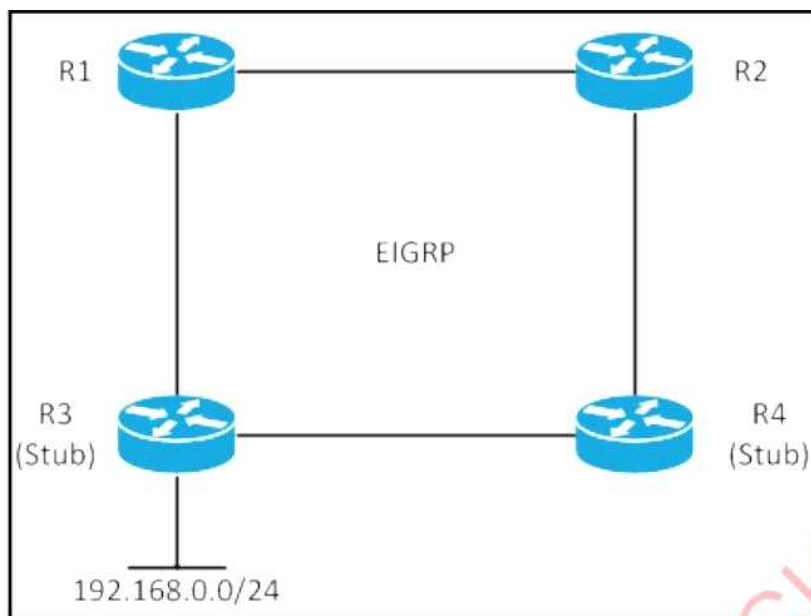


Answer:



Question: 7

Refer to the exhibit.



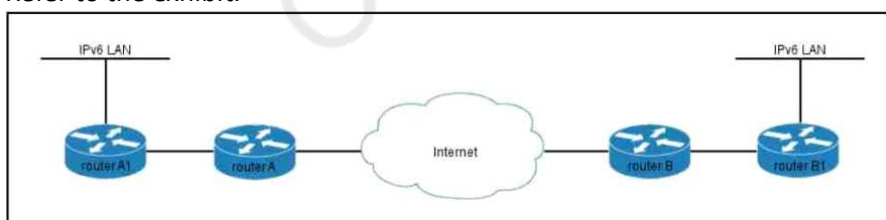
All routers are running EIGRP and the network has converged. R3 and R4 are configured as EIGRP Stub. if the link between R1 and R3 goes down, which statement is true?

- A. R1 sends traffic destined to 192.168.0.100 via R2
- B. R2 does not have a route to 192.168.0.0/24 in the routing table.
- C. The prefix 192.168.0.0/24 becomes stuck-in-active on R4
- D. R3 does not advertise 192.168.0.0/24 to R4 anymore

Answer: B

Question: 8

Refer to the exhibit.



Routers A and B are the edge devices at two different sites as shown. If each site contains an IPv6 network that must be able to communicate over an IPsec tunnel, which type of authentication can be in use between the two sites?

- A. MD5
- B. pre-shared key
- C. 802.1X
- D. CHAP

Answer: B

Question: 9

Which way to influence path selection with EIGRP is preferred?

- A. changing the bandwidth, because it does not have any impact on other router features.
- B. changing the bandwidth, because that is what Cisco recommends.
- C. changing the bandwidth, because it must be done only on one interface along the path.
- D. changing the delay, even if it must be done on multiple interfaces

Answer: D

Question: 10

In which 802.1D port state are the root bridge, the root port, and the designated port(s) elected?

- A. Listening
- B. Forwarding
- C. Learning
- D. Disabled
- E. Blocking

Answer: A

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